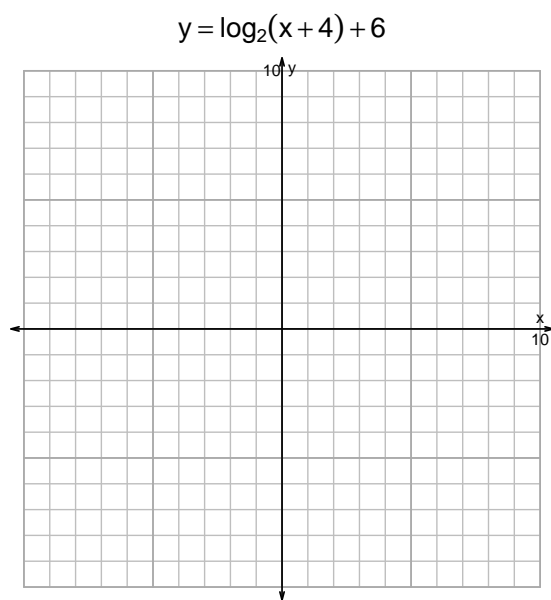
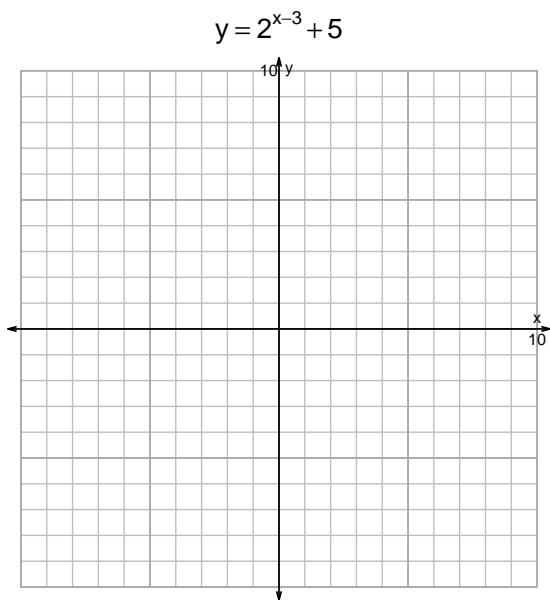


Name: _____

Date: _____

s18QUIZ: EXP LOG (QUIZ v234)

1. Graph $y = 2^{x-3} + 5$ and $y = \log_2(x + 4) + 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$13 = \left(\frac{5}{4}\right) \cdot 10^{-3t/7}$$

3. An exponential function $f(x) = 7.34 \cdot e^{-1x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(1.3)$.

b. Express $f^{-1}(x)$, the inverse of f .

c. Using the plot above, evaluate $f^{-1}(60)$.